



ATTACHMENT A

AMENDMENTS TO THE SPECIFICATION

Please amend the title as follows:

MICROWAVE BLOCKER APPARATUS FOR ~~OPENING MICROWAVE OVEN~~ USE
WITH OPEN MICROWAVE OVENS

Please amend paragraph [0001], as follows:

[0001] Background of the Invention: ~~The Microwaves Blocker Apparatus of the~~, treated in the present invention patent's claim, refers to a mechanic apparatus which prevents the leakage of microwaves applied to opening microwaves ovens, avoiding its propagation outside the oven and allowing the continuous, uniform and safe materials operation.

Please amend paragraph [0004], as follows:

[0004] The use of microwaves to the materials' tiring operation, ~~very is~~ utilized in the industrial sector, is ~~fasten~~ faster when compared to operations already known and utilized for tiring. One of the most notable uses is for ~~Deserves notability here the wood~~ tiring, almost always using the operations that need thermal springs which first heat the oven where the materials are set, and later heat the materials gradually until the humidity is completely eliminated. This way, the heating happens from the exterior environment to the interior of the materials to be tire and, depending on its volumes, many days are necessary to happen the complete tiring. This, ~~needing~~, generally requires, the construction of ovens of large ~~big dimensions ovens~~, feeding by heat systems which consume great quantity of natural resources in the heat production.

Please amend paragraph [0006], as follows:

[0006] Specifically, ~~you can use the~~ microwaves oven can be used for tiring and reducing the wood hygroscopicity. ~~When , or, if it is already tire, it is just de~~ thenecessary the thermic treatment to reduce the capacity of absorb water from the environment.

Please amend paragraph [0008], as follows:

[0008] The use of microwaves in industrial operations, ~~nowadays, happens just in~~ currently restricted to closed ovens, since ~~the opening even~~ ovens would allow the propagation of microwaves to the environment outside the oven, what could cause ~~damages to problems to~~ human health and ~~damages to~~ objects. ~~Although the security, the~~ However, closed even ovens has have many a factor which factors limitings its use in materials' continuous operation.

Please insert paragraphs [0008a] to [0008f], after paragraph [0008], as follows:

[0008a] SUMMARY OF THE INVENTION

[0008b] The present invention seeks to provide a microwave blocker apparatus for use with an open microwaves oven, comprising: (a) an external surface (2a) made from a dielectric material, and coated with a metallic material; (b) an internal surface (2b) made from the dielectric material; (c) a first (2c) and a second (2d) closing surfaces, connecting the external and internal surfaces, defining a chamber (4), the chamber having an opening with a lid, wherein the blocker is constructed and arranged to have the identical dimensions shape of an opening of the open microwave oven, and a length longer than an operator's arm, and wherein the chamber contains a substance capable of absorbing microwaves generated by the microwave oven, with a volume, quantity

and thickness capable to attend a security standard for levels of exposition to the microwaves generated by the microwave oven.

[0008c] BRIEF DESCRIPTOIN OF THE DRAWINGS

[0008d] Figure 1 shows the blocker apparatus installed at the edges of an open microwaves oven constructed in a tunnel-shape format.

[0008e] Figure 2 shows a tunnel-shape format blocker apparatus before installation and showing the interior open space.

[0008f] Figure 3 is sectional view taken along plane A-A of the tunnel-shape format blocker apparatus of Figure 2.

[0008g] Figure 4 shows a tunnel-shape format blocker apparatus externally constituted by metallic material.

Please amend paragraph [0009], as follows:

[0009] The present invention (1) ~~seeks to provide~~ allows the implementation of technical solution to the problems discussed pointed above, ~~when~~ When installed at the two edges of an opening microwaves oven (5), turning round its between the entrance, front part and its it's the exit, hinder part. This way, the materials can be ~~crossed conveyed~~ through the interior open space (6) of the oven, using mats, small wheels or other supporting mechanisms.

Please amend paragraph [0010], as follows:

[0010] The apparatus ~~application of this the present~~ invention (1) makes the use of opening microwaves oven safer and allows the materials operation to be made in a continuous way.

Please amend paragraph [0011], as follows:

[0011] The blocker apparatus (1) can be used with microwaves of variable dimensions and forms, depending on the volume and nature of the materials to be processed. In a preferred embodiment, the blocker apparatus is applied in-to a tunnel-shape opening ~~microwaves oven which can be constructed in format of a tunnel (5), with materials resistant to the microwaves effects and have dimensions and forms variables, depending on the volume and nature of the materials to be processed. The openings of the opening microwaves oven's edges (6), entrance (front part) and exit (hinder part), allow the materials to be processed to be introduced at by one the first edge and taken out by the other edge, guaranteeing this way the efficiency of a materials' continuous operation, The continuous operation that can be faster faster with the help of a mat or any other similar mechanism. When across While being conveyed inside the oven, the materials stay exposed to the microwaves in its interior for during the time necessary time to the process be completed, considering the diverse natural characteristics of any material.~~

Please amend paragraph [0012], as follows:

[0012] The present invention, ~~named "Microwaves Blocker Apparatus in Opening Microwaves oven", executes exactly the function of blockblocks any the eventual microwaves that might escape try to go out the interior of the opening microwaves ovens, allowing a continuous and safe process of materials.~~

Please amend paragraph [0013], as follows:

[0013] The microwaves blocker apparatus is constituted by a an external surface (2a) made from a dielectric material, and coated with a metallic material; (b) an internal surface (2b) made from the dielectric material; (c) a first (2c) and a second (2d) closing surfaces, connecting the external and internal surfaces, defining a chamber (4), the

chamber having an opening with a lid. The chamber (2) which interior (4) must be
fulfilled with substances capable to absorb the microwaves. These substances can be
water consistence, sugars, blubbers or any others that have the capacity of absorb
microwaves, being these used with volume, quantity and thickness capable to attend
the standard prescribed in rules of security to levels of exposition to the microwaves.
The chamber (2) 4 has an opening with a cover appropriate to introduction and
reposition of substances.

Please amend paragraph [0014], as follows:

[0014] The chamber (2) presents the same shape and dimensions ~~circles the form of~~
the oven's entrance and exit, leaving free the passage of the materials to be processed
(6). The walls of the chamber (2) of the microwaves blocker apparatus (1) must be
constituted by a dielectric material, because this kind of material doesn't not avoid the
microwaves passage to the substance that fill its interior, fundamental principle to the
good functioning of the blocker apparatus. To attend security questions, the outside wall
of the chamber must be involved by a frame constituted by a metallic material (3).

Please amend paragraph [0015], as follows:

[0015] ~~The drawings annexed show the application of the present invention. At Picture~~
~~4, In Figure 1~~ the blocker apparatus (1) appear is installed at the edges of an opening
microwaves oven (5) constructed in a tunnel-shape format of a tunnel and having in the
center an interior open space ~~opening~~ (6). ~~The~~ to allow introduce materials to be
processed are introduced at one of the edges, passed through in its interior and taken
off at by the other oven's edge. ~~In Figure 2 At Picture II, it's is~~ illustrated the external
appearance of the blocker apparatus (1) and Figure 3 shows the its internal part of the
chamber appearance (4) wherein deposits of substances capable of that absorbing
microwaves are placed, ~~beyond the constructive form of the e~~ Chamber (2) (4) is
constituted by an external surface (2a), an internal surface (2b), a first (2c) and a
second (2d) closing surfaces ~~walls of, all four~~ of dielectric materials capable to

conditioning the absorb substances and allow the insertion of microwaves in the chamber. ~~In Figure 4 At Picture II, it's-it is~~ also illustrated a frame externally constituted by metallic material (3), appropriate to involve the blocker apparatus completely.

Please amend paragraph [0016], as follows:

[0016] The functioning principle of the present invention is related to the security of the industrial microwaves ovens. Thus, being installed at the edges of an opening ~~microwaves oven's edges~~, the present invention (1), concerning its construction form, follows the oven's geometry, fitting as if it was an extension of the oven, creating security spaces between the materials' entrance and exit for processing inside the oven (5).

Please amend paragraph [0018], as follows:

[0018] The invention works as a microwaves absorbent, attracting to its interior the eventual microwaves which, for any reason, try to escape from the oven's interior during its working and try to go outside.